

Title (en)
PROCESS FOR THE PREPARATION OF RETINAL

Publication
EP 0314575 B1 19920415 (FR)

Application
EP 88402710 A 19881027

Priority
FR 8714980 A 19871029

Abstract (en)
[origin: EP0314575A1] Process for the preparation of retinal by condensation of a C15 sulphide of formula (I) with a C5 haloacetal of formula (II) followed by the hydrolysis and the desulphurisation of the C20 acetal sulphide of formula (III) via the intermediacy of the aldehyde sulphide of formula (IV). <IMAGE>

IPC 1-7
C07C 403/00

IPC 8 full level
A61K 31/07 (2006.01); **C07C 33/02** (2006.01); **C07C 67/00** (2006.01); **C07C 401/00** (2006.01); **C07C 403/00** (2006.01); **C07C 403/14** (2006.01); **C07C 403/22** (2006.01); **C07D 213/70** (2006.01); **C07D 277/00** (2006.01)

CPC (source: EP KR US)
C07C 47/20 (2013.01 - KR); **C07C 403/14** (2013.01 - EP US); **C07C 403/22** (2013.01 - EP US); **C07B 2200/09** (2013.01 - EP US); **C07C 2601/16** (2017.04 - EP US)

Citation (examination)
• JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 102, no. 2, 1980, page 869; E. E. VAN TAMELEN et al, "Stereoselective Generation of a Nonaromatic, 3,5-Dioxygenated Steroidal System through Tricyclization of a Polyene Oxide"
• PATENT ABSTRACTS OF JAPAN, vol. 9, no. 32 (C-265)(1755), 9 fevrier 1985; & JP-A-59 175 441
• PATENT ABSTRACTS OF JAPAN, vol. 10, no. 355 (C-388)(2411), 29 novembre 1986; & JP-A-61 155 365

Cited by
EP0544588A1; FR2684373A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0314575 A1 19890503; EP 0314575 B1 19920415; AT E74908 T1 19920515; CA 1298308 C 19920331; DE 3870150 D1 19920521; ES 2030517 T3 19921101; FR 2622580 A1 19890505; FR 2622580 B1 19900119; GR 3004371 T3 19930331; JP H02164 A 19900105; JP H0751557 B2 19950605; KR 890006555 A 19890613; US 4968844 A 19901106

DOCDB simple family (application)
EP 88402710 A 19881027; AT 88402710 T 19881027; CA 581467 A 19881027; DE 3870150 T 19881027; ES 88402710 T 19881027; FR 8714980 A 19871029; GR 910401455 T 19920416; JP 27112088 A 19881028; KR 880014137 A 19881028; US 26301888 A 19881027